

## **LISTING OF CLAIMS:**

1. (Currently amended) A method in a data processing system for maintaining data integrity in logs, the method comprising:

reviewing a log, wherein the log includes a set of time segments, and wherein the set of time segments include at least one time segment defined by a user;

determining whether the log contains a data loss, wherein the determining step includes analyzing each time segment within the set of time segments to determine whether a time segment gap tolerance has been exceeded; and

adding data to replace the data loss in the log to increase integrity of the log if a determination is made that a data loss has occurred.

2. (Canceled)

3. (Original) The method of claim 1, wherein the data added to replace the data loss comprises data derived from a prior log.

4. (Original) The method of claim 1, wherein the data added to replace the data loss comprises data derived from a set of prior logs.

5. (Currently amended) The method of claim 1, wherein the log includes data indicating at least one of ~~hits~~, requests, page views, and sessions.

6. (Currently amended) The method of claim 1 [[2]], wherein the analyzing step includes considering data in at least one time segment adjacent to a time segment being analyzed.

7. (Original) The method of claim 1, wherein the log is a Web server log.

8. (Currently amended) A method in a data processing system for analyzing a log, the method comprising:

analyzing a set of time segments in the log to determine whether a time gap tolerance has been exceeded for a time segment within the set of time segments, wherein the set of time segments include at least one time segment defined by a user; and

responsive to a determination that the time gap tolerance has been exceeded for the time segment within the set of time segments, generating an alert.

9. (Currently amended) The method of claim 8 further comprising:  
responsive to detecting the alert, adding data to the time segment within the set of time segments to increase the data integrity of the log.

10. (Original) The method of claim 8, wherein the alert is presented on a user interface.

11. (Original) The method of claim 8, wherein the alert is a flag used by a program to process the log.

12. (Original) The method of claim 8 further comprising:  
calculating a data integrity level for the log.

13. (Currently amended) The method of claim 8, wherein the set of time segments include data for at least one of ~~hits~~, requests, page views, and sessions.

14. (Currently amended) A data processing system comprising:  
a bus system;  
a communications unit connected to the bus system;  
a memory connected to the bus system, wherein the memory includes a set of instructions; and  
a processing unit connected to the bus system, wherein the processing unit executes the set of instructions to review a log, wherein the log includes a set of time segments, and wherein the set of time segments include at least one time segment defined by a user; determine whether the log contains a data loss by analyzing each time segment

within the set of time segments to determine whether a time segment gap tolerance has been exceeded; and add data to replace the data loss in the log to increase integrity of the log if a determination is made that a data loss has occurred.

15. (Currently amended) A data processing system comprising:

a bus system;

a communications unit connected to the bus system;

a memory connected to the bus system, wherein the memory includes a set of instructions; and

a processing unit connected to the bus system, wherein the processing unit executes the set of instructions to analyze a set of time segments in the log to determine whether a time gap tolerance has been exceeded for a time segment within the set of time segments, wherein the set of time segments include at least one time segment defined by a user; and generate an alert in response to a determination that the time gap tolerance has been exceeded for the time segment within the set of time segments.

16. (Currently amended) A data processing system for maintaining data integrity in logs, the data processing system comprising:

reviewing means for reviewing a log, wherein the log includes a set of time segments, and wherein the set of time segments include at least one time segment defined by a user;

determining means for determining whether the log contains a data loss by analyzing each time segment within the set of time segments to determine whether a time segment gap tolerance has been exceeded; and

adding means for adding data to replace the data loss in the log to increase integrity of the log if a determination is made that a data loss has occurred.

17. (Canceled)

18. (Original) The data processing system of claim 16, wherein the data added to replace the data loss comprises data derived from a prior log.

19. (Original) The data processing system of claim 16, wherein the data added to replace the data loss comprises data derived from a set of prior logs.
20. (Currently amended) The data processing system of claim 16, wherein the log includes data indicating at least one of ~~hits~~, requests, page views, and sessions.
21. (Currently amended) The data processing system of claim 16 ~~[[17]]~~, wherein the analyzing means includes considering data in at least one time segment adjacent to a time segment being analyzed.
22. (Original) The data processing system of claim 16, wherein the log is a Web server log.
23. (Currently amended) A data processing system for analyzing a log, the data processing system comprising:  
analyzing means for analyzing a set of time segments in the log to determine whether a time gap tolerance has been exceeded for a time segment within the set of time segments, wherein the set of time segments include at least one time segment defined by a user; and  
generating means, responsive to a determination that the time gap tolerance has been exceeded for the time segment within the set of time segments, for generating an alert.
24. (Currently amended) The data processing system of claim 23 further comprising:  
adding means, responsive to detecting the alert, for adding data to the time segment within the set of time segments to increase the data integrity of the log.
25. (Original) The data processing system of claim 23, wherein the alert is presented on a user interface.

26. (Original) The data processing system of claim 23, wherein the alert is a flag used by a program to process the log.
27. (Original) The data processing system of claim 23 further comprising:  
calculating means for calculating a data integrity level for the log.
28. (Currently amended) The data processing system of claim 23, wherein the set of time segments include data for at least one of ~~hits~~, requests, page views, and sessions.
29. (Currently amended) A computer program product in a computer readable medium for maintaining data integrity in logs, the computer program product comprising:  
first instructions for reviewing a log, wherein the log includes a set of time segments, and wherein the set of time segments include at least one time segment defined by a user;  
second instructions for determining whether the log contains a data loss by analyzing each time segment within the set of time segments to determine whether a time segment gap tolerance has been exceeded; and  
third instructions for adding data to replace the data loss in the log to increase integrity of the log if a determination is made that a data loss has occurred.
30. (Canceled)
31. (Original) The computer program product of claim 29, wherein the data added to replace the data loss comprises data derived from a prior log.
32. (Original) The computer program product of claim 29, wherein the data added to replace the data loss comprises data derived from a set of prior logs.
33. (Currently amended) The computer program product of claim 29, wherein the log includes data indicating at least one of ~~hits~~, requests, page views, and sessions.

34. (Currently amended) The computer program product of claim 29 ~~[[30]]~~, wherein the sub-instructions includes considering data in at least one time segment adjacent to a time segment being analyzed.

35. (Original) The computer program product of claim 29, wherein the log is a Web server log.

36. (Currently amended) A computer program product in a computer readable medium for analyzing a log, the computer program product comprising:

first instructions for analyzing a set of time segments in the log to determine whether a time gap tolerance has been exceeded for a time segment within the set of time segments, wherein the set of time segments include at least one time segment defined by a user; and

second instructions, responsive to a determination that the time gap tolerance has been exceeded for the time segment within the set of time segments, for generating an alert.

37. (Currently amended) The computer program product of claim 36 further comprising:

third instructions, responsive to detecting the alert, for adding data to the time segment within the set of time segments to increase the data integrity of the log.

38. (Original) The computer program product of claim 36, wherein the alert is presented on a user interface.

39. (Original) The computer program product of claim 36, wherein the alert is a flag used by a program to process the log.

40. (Original) The computer program product of claim 36 further comprising:  
third instructions for calculating a data integrity level for the log.

41. (Currently amended) The computer program product of claim 36, wherein the set of time segments include data for at least one of hits (i.e., requests[[]]), page views, and sessions.